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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/813,000	10/813,000 03/31/2004		Hiroyuki Shiriike	740819-1055	5222	
22204	7590	09/07/2006		EXAMINER		
NIXON PEABODY, LLP					VICKY A	
401 9TH ST SUITE 900	REET, N	W		ART UNIT	PAPER NUMBER	
WASHING	WASHINGTON, DC 20004-2128				3682	
				DATE MAILED: 09/07/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/813,000	SHIRIIKE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Vicky A. Johnson	3682				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
 Responsive to communication(s) filed on This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 						
Disposition of Claims						
 4) ☐ Claim(s) 1-7 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-7 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te				

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yarnell et al (US 5,610,217) in view of Uchiyama et al (US 5,188,882).

Yarnell et al disclose a frictional forced power transmission belt wherein at least a contact part of the belt body with a pulley is formed of a rubber composition containing ethylene-.alpha.-olefin elastomer (col.2 lines 41-47).

Yarnell et al do not teach the rubber composition also containing a powdery or granular polyolefin resin.

Uchiyama et al teach the use of a rubber composition containing ethylene. alpha.-olefin elastomer and also containing a powdery or granular polyolefin resin (col. 6 lines 56-66).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the belt body rubber composition of Yarnell et al to

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include a powdery or granular polyolefin resin as taught by Uchiyama et al in order to increase damage resistance (col. 2 lines 1-3).

Re claim 3, Uchiyama et al teach that the polyolefin resin has a content of more than 5 but less than 50 parts by mass to 100 parts by mass of a rubber component constituting the belt body (col. 5 lines 29-38).

Re claim 5, Uchiyama et al teach that the ethylene-.alpha.-olefin elastomer in the rubber composition forming at least the contact part of the belt body with the pulley is cross-linked with an organic peroxide (col. 4 lines 43-47).

Re claim 6, Yarnell et al teach the belt body is a V-ribbed belt body (see Fig 3).

Re claims 2 and 4, Uchiyama et al disclose the belt body comprising a polyethylene resin, but do not disclose the resin having a molecular weight of 500,000 or more and a grain size larger than 25 μ m.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to choose a resin with a high molecular weight, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 617 F.2d 272, 205 USPQ 215 (CCPA 1980).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

5,430,117

Kawasaki et al

(rubber)

2002/0187869

Martin et al

(belt)

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vicky A. Johnson whose telephone number is (571) 272-7106. The examiner can normally be reached on Monday-Friday (7:00a-3:30p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6217. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vicky A. Johnson Primary Examiner

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